

**ATTACHMENT 21.1
IMPOUNDMENTS, DAMS, AND STORMWATER MANAGEMENT FACILITIES –
SOLID WASTE MANAGEMENT FACILITY**

Dominion has included a preliminary plan view drawing and typical cross section details (Attachment 18.3) for proposed outfall and stormwater management facilities within the Curley Hollow SWMF. Preliminary design parameters as of July 2007, are included in Table 21.1-1 for Section 21 of the JPA. Final details will be forwarded upon completion. There will be no impacts to jurisdictional wetlands and waters associated with these facilities in the SWMF. Dominion will file for all other necessary permits separately.

Table 21.1-1

**PERMANENT STORMWATER MANAGEMENT FACILITIES DETAILS –
CURLEY HOLLOW SOLID WASTE MANAGEMENT FACILITY**

	Leachate Pond	Stormwater Pond – North Cell	Stormwater Pond – South Cell
Drainage Area Upstream of the Proposed Impoundment (Sq. miles)	0.00078	0.17	0.17
Storage Capacity of Impoundment (AC-FT)	5.4	49.5	49.5
Surface Area of Impoundment (AC)	0.5	1.9	1.9
Design Storm Event	7-day leachate ¹	25-year ²	25-year ²
Current Average Flow/Proposed Outflow (CFS)-10YR 24-HR Pre-Developed Condition Requirement	To be determined	To be determined	To be determined
Proposed Maximum Outflow (CFS) - From Water Quality Volume-Resulting from the 30-HR Drawdown Requirement	To be determined	To be determined	To be determined
Proposed Maximum Outflow (CFS) 50-YR 24-HR Storm Event	To be determined	To be determined	To be determined
Proposed Basin Type	To be determined	To be determined	To be determined
Type of Outfall Pipe	HDPE	HDPE	HDPE
Size of Outfall Pipe (Inches)	12	24	24
Will the Impoundment Structure be Designed to Pass a Minimum Flow at All Times	No	No	No

Notes:

- ¹ 7-day leachate collected on liner system
- ² Designed to store a storm event greater than 25-year, 24-hour runoff volume from contact water system, plus 7-day leachate storage and Erosion and Sedimentation Control Plan requirements.